

CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Daryl Malas

Welcome to CDNI

- IETF-88 Meeting Chairs:
 - Francois Le Faucheur
 - Daryl Malas
- One session
 - Thursday 15:20-17:20, Georgia A
- Using WebEx instead of Jabber
 - <http://www.ietf.org/meeting/88/remote-participation.html>
- Minute takers?
- Blue sheets

Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- ❖ **By participating with the IETF, you agree to follow IETF processes.**
- ❖ **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**
- ❖ **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

Agenda (1/2)

- **Opening**
 - Agenda bashing & introduction: Chairs (5 mins)
 - Document status update: Chairs (10 mins)
- **CDNI Metadata**
 - CDNI Metadata, [draft-ietf-cdni-metadata-03: Matt Caulfield \(10 mins\)](#)
- **CDNI Footprint & Capabilities Advertisement interface**
 - Footprint & Capabilities Semantics ,
[draft-ietf-cdni-footprint-capabilities-semantics-01: Jan Seedorf \(10 mins\)](#)
 - Footprint & Capabilities Advertisement with ALTO ,
[draft-seedorf-cdni-request-routing-alto-05: Jan Seedorf \(10 mins\)](#)
 - Footprint & Capabilities Advertisement Interface,
[draft-ma-cdni-capabilities-04: Kevin Ma \(10 mins\)](#)
- **CDNI Logging**
 - CDNI Logging, [draft-ietf-cdni-logging-08: Iuniana Opreescu \(10 mins\)](#)
- **CDNI URI Signing**
 - URI Signing for CDNI, [\(draft-leung-cdni-uri-signing-03\): Kent Leung \(10 mins\)](#)

Agenda (2/2)

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 - CDNI Control - Triggers, [draft-ietf-cdni-control-triggers-01: Rob Murray \(10 mins\)](#)
 - CDNI Control - Initialization and Bootstrapping, [draft-choi-cdni-control-init-bootstrapping-02: Taesang Choi \(5 mins\)](#)
- **New Drafts**
 - CDNI Rate Pacing, ([draft-caulfield-cdni-rate-pacing-00](#)): Matt Caulfield (10 mins)
- **Closing**
 - Conclusions and next steps: Chairs (10 mins)

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CDNI Charter Update (1/2)

- “URI Signing” deliverable added to charter
- Status/Dates for “Goals and Milestones” updated :
 - Done - Submit CDNI problem statement to IESG as Informational
 - Done - Submit CDNI use cases to IESG as Informational
 - Sep 2013 - Submit CDNI requirements to IESG as Informational
 - Dec 2013 - Submit CDNI framework to IESG as Informational
 - Dec 2013 - Submit specification of the CDNI Logging interface to IESG as Proposed Standard
 - Dec 2013 - Submit specification of the CDNI Metadata interface to IESG as Proposed Standard
 - April 2014 - Submit specification of the CDNI Request Routing Redirection interface to IESG as Proposed Standard
 - April 2014 - Submit specification of the CDNI Control interface to IESG as proposed Standard
 - Sep 2014 - Submit specification of the CDNI Footprint & Capabilities Advertisement Interface to IESG as Proposed Standard
 - Sep 2014 - Submit specification of URI Signing for CDNI to IESG as Proposed Standard
 - Sep 2014 - Recharter or dissolve

CDNI Charter Update (2/2)

- Draft charter text submitted on the list
- Draft charter text under IESG Review:
 - Align to final interface names
 - Reflect split of Request Routing interface into two component interfaces: RI and FCI
 - Add text describing the “URI Signing” deliverable
 - Removed ref to Ultra-Violet
 - Small text enhancements/corrections

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Working Group Milestones: Published RFCs

- RFC 6707: CDNI Problem Statement (Informational)
- RFC 6707: CDNI Use Cases (Informational)
- RFC 6983 : Models for HTTP-Adaptive-Streaming-Aware CDNI (Informational/Independent Submission)

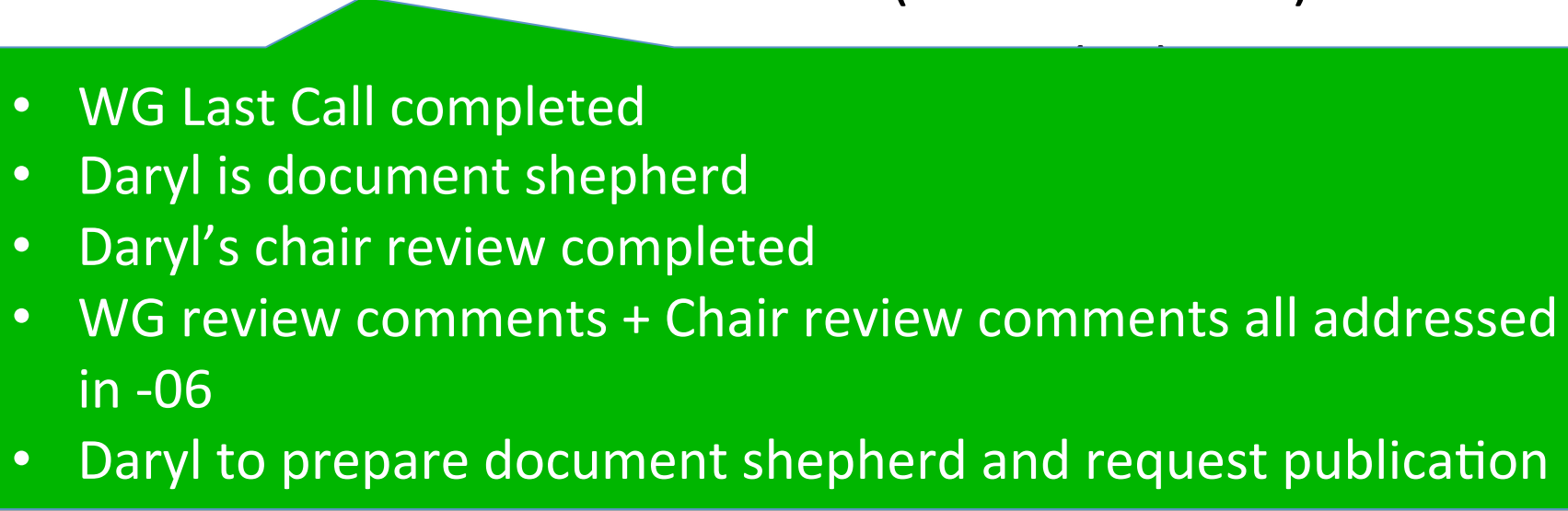
Working Group Milestones: Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface : Dec 2013 (PS)
- CDNI Metadata interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones: Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- AD Review performed
- AD review comments + list comments all addressed in -12
- In “IESG Last Call” state
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones: Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
 - CDNI Framework: Dec 2013 (Informational)
- 
- WG Last Call completed
 - Daryl is document shepherd
 - Daryl's chair review completed
 - WG review comments + Chair review comments all addressed in -06
 - Daryl to prepare document shepherd and request publication
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones: Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface : Dec 2013 (PS)
- Authors will propose to move to WG Last Call
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones: Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface : Dec 2013 (PS)
- CDNI Metadata interface: Dec 2013 (PS)
- We will discuss about moving to WG Last Call
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones: Remaining Milestones

- To be discussed during WG

• CDNI Metadata Interface: Dec 2015 (PS)

- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
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Beyond Working Group Milestones

- **Request Interface and Redirection Loop Prevention**
 - See Taesang’s presentation.
- **Control interface/Bootstrapping:**
 - See Taesang’s presentation. Progressing separately from “Control Interface/Trigger” so they can progress at their own pace.

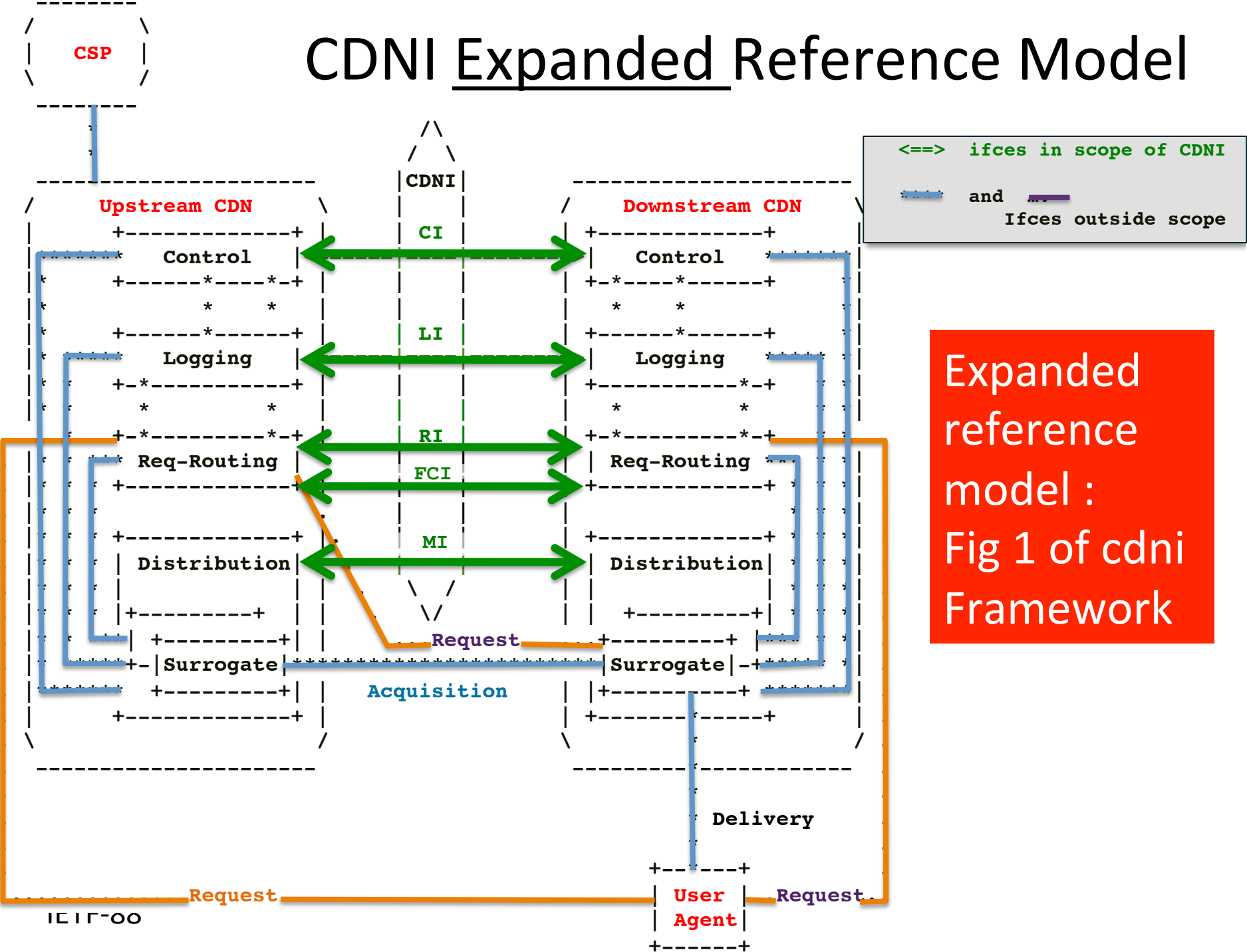
Instructions to WG document editors

- Run I-D Nit tool
- Align to final interface names
- Refer or use the expanded reference model in cdni-framework

Final Interface Names

- **CI:** CDNI Control interface
- **MI:** CDNI Metadata interface
- **LI:** CDNI Logging interface
- **RI:** CDNI Request Routing Redirection interface
- **FCI:** CDNI Footprint & Capabilities Advertisement interface

CDNI Expanded Reference Model



Expanded reference model :
Fig 1 of cdni Framework

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